



# **The Michigan ENHANCE 9-1-1 Grant Project**

GIS Technical Advisory Committee

MCDA Meeting

October 7, 2011



# Today's Agenda

- 9-1-1 GIS Grant Project
- Open Discussion

# 9-1-1 GIS Grant Project

# ENHANCE 9-1-1 Grant

- ◆ History
- ◆ Background
  - Act in place in 2004
  - Funds authorized, but not appropriated until 2009
- ◆ June 2009 announcement
- ◆ June 2009 SNC approval of application
- ◆ August 2009 application due
- ◆ Sept 2009 award announced of \$1,699,999
  - \$1,108,704 base
  - \$591,295 supplemental

# What is the project NOT about?

- ◆ NOT replacing the local 9-1-1 GIS data systems and making the state responsible for all PSAP GIS data
- ◆ NOT for use to create a single statewide CAD or PSAP
- ◆ NOT creating a platform for non-public safety purposes

# What Grant Project IS About

- ◆ Creating a central 9-1-1 GIS Repository
  - Enabling PSAPs to share GIS information
  - Establishing MOAs
  - Setting standards for GIS data entry
  - Future framework for NG9-1-1 database
- ◆ Statewide Public Safety Answering Point (PSAP) Boundary Layer
- ◆ Statewide Road Centerline Layer

# Formation of the TAC:

- ◆ Established as a technical advisory committee to the Local and State Cross Boundary Technology Steering Committee
  - Local representation from the 9-1-1, IT, and GIS communities to provide first hand knowledge and experience to the 9-1-1 GIS Grant Project
  - Will make recommendations on project direction to the Local and State Cross Boundary Technology Steering Committee

# Project Organization Overview

- ◆ Project Sponsor

Harriet Miller-Brown – Michigan 9-1-1 State Administrator

- ◆ DTMB Project Staff (CSSTP)

Eric Swanson - CSSTP, Project Sponsor, Director

Laura Blastic – CSSTP, Project Manager, Geo-Framework  
Services Manager

Paul Harmon – CSSTP, Communications Liaison

Mathi Ramachandran – CSSTP, Data Architect

John Clark – CSSTP, GIS Solutions Architect

Mark Holmes - L.R. Kimball



# Project Organization Overview

## Technical Advisory Committee (TAC)

### ➤ 9-1-1

- Mike Muskovin, Ottawa County
- Mike Szor, Alpena County
- Phyllis Fuller, Barry County
- Harriet Miller-Brown, State 9-1-1 Office

### ➤ IT

- Ron Plamondon, Leelanau County
- Dawn Siegel, Oakland County
- Tom Shewchuk, Ingham County

### ➤ GIS

- Scott Ambs, Jackson County
- Chris Cantrell, Midland County
- Nathan Fazer, Eastern UP Planning Region
- Eric Swanson, CSSTP

# Role of the TAC:

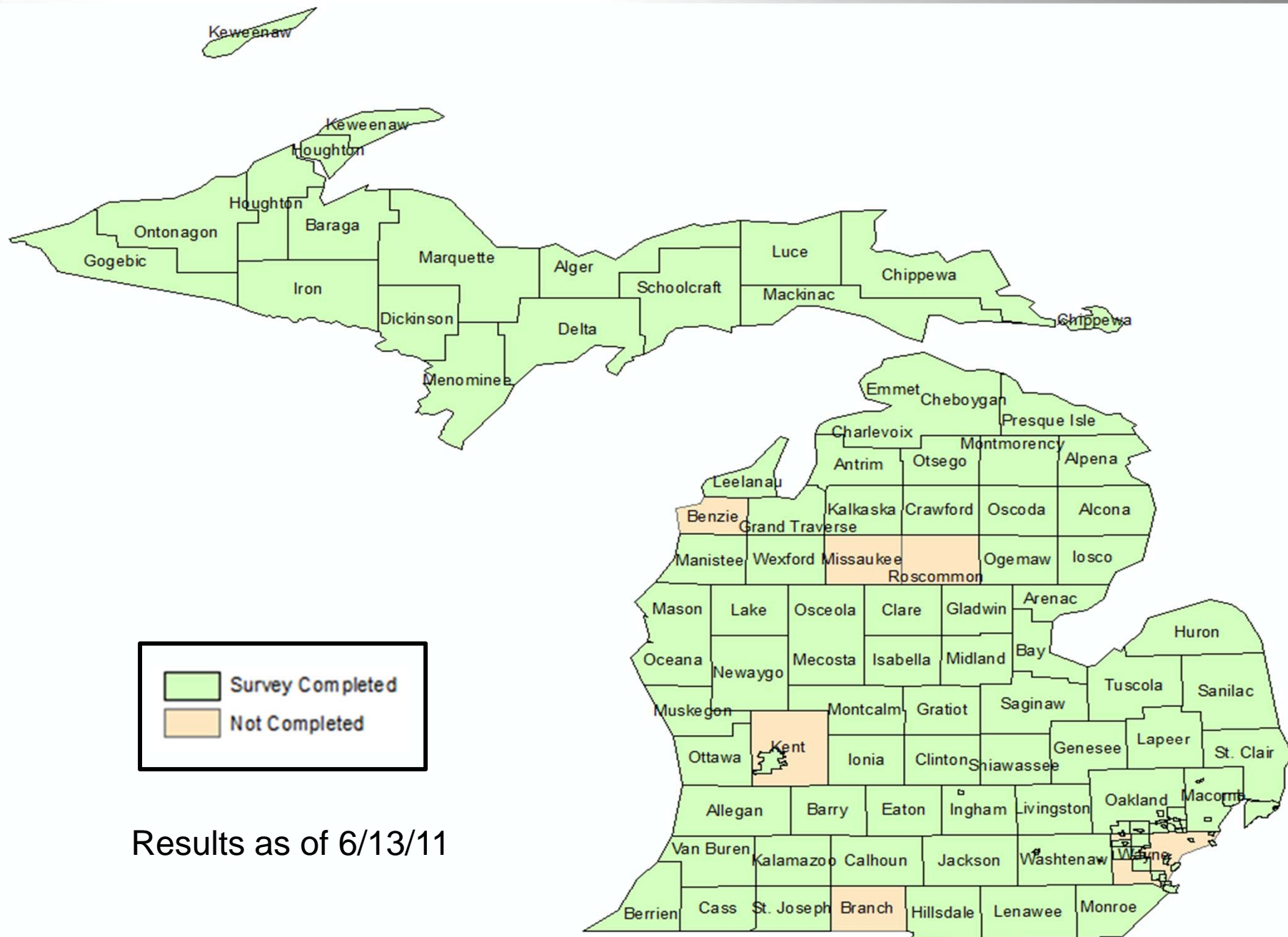
- ◆ Provide local insight and collaboration as project develops
  - Project documents (e.g. Charter, MOA's)
  - Develop technical standards
  - Develop communication and outreach plan
  - Initial data assessments
  - Serve as the voice of the local units of government who will be the end users of the system

# Project Tasks Overview

- ◆ Initial Assessment and Data Development Plan
- ◆ Community Outreach
- ◆ Statewide 9-1-1 Database Design
- ◆ Develop and Implement Database and Application Architecture
- ◆ Develop Statewide PSAP Boundary Layer
- ◆ Develop Complete Statewide GIS Road Centerline and an Initial Point Address Layers
- ◆ Maintenance Plan and Workflows Implementation

# 9-1-1 GIS Survey

- ◆ Statewide survey that was sent in May of 2011 to PSAP Managers/Directors and County 9-1-1 Coordinators
- ◆ High level participation - 115 of the 168 PSAPs provided responses
- ◆ Get a current snapshot of GIS/9-1-1 systems today
- ◆ Collaborate with GIS resources to fill out survey
- ◆ Survey has guided the planning of the project



Results as of 6/13/11

# System Architecture

- ◆ GIS Repository

- Data Standards

- Road Centerlines and PSAP Boundaries – Mandatory
    - Address Points and Emergency Service Zones
    - 9-1-1 GIS Data Standards for GIS Repository
      - Incorporates current 9-1-1 standards
      - Includes NG9-1-1 data standards for future implementation

- Public Comment Period

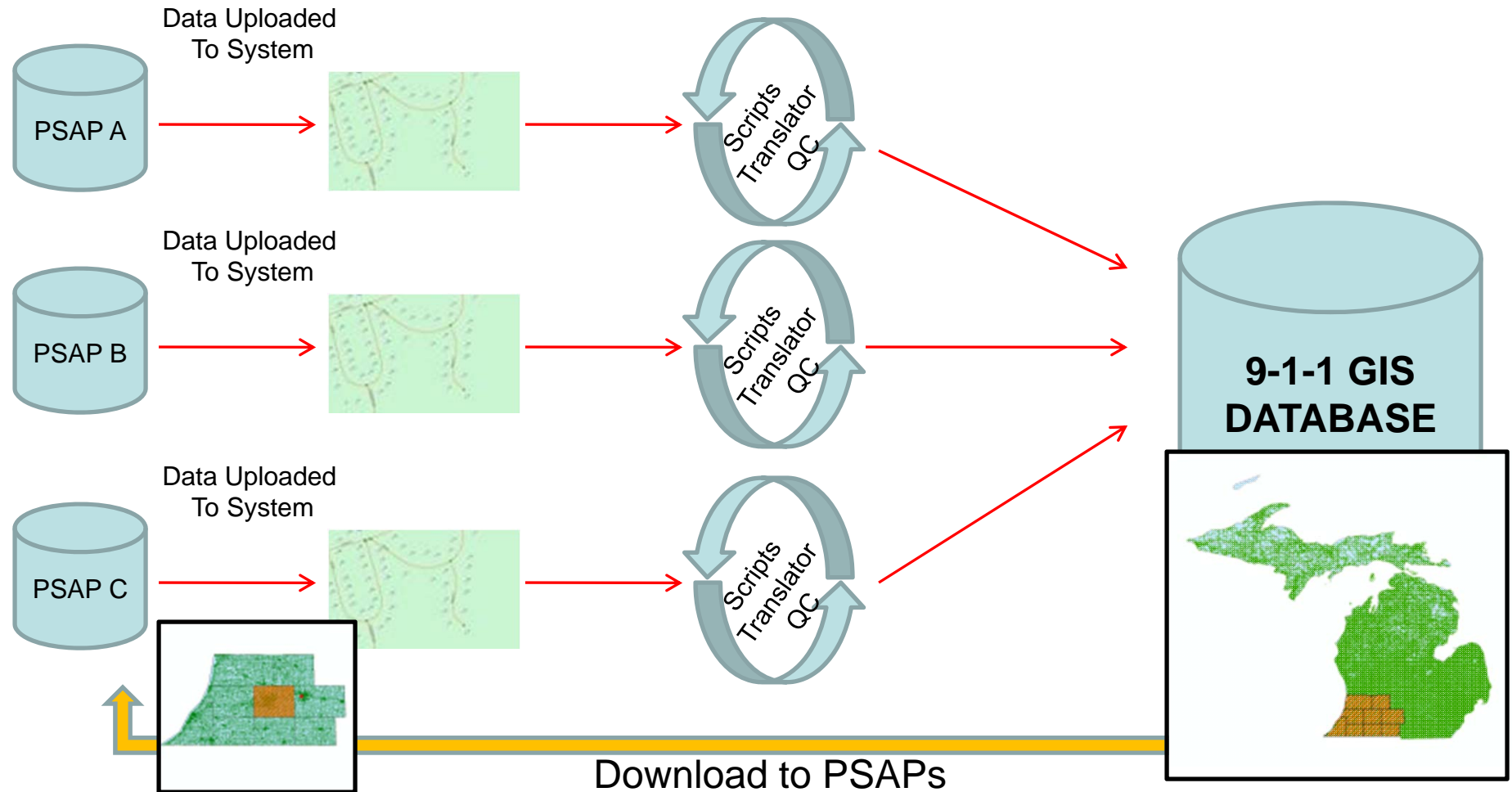
- Beginning September 30, 2011 Until October 14, 2011
    - Document available at:
      - [www.michigan.gov/911gisgrant](http://www.michigan.gov/911gisgrant)
      - [www.michigan.gov/snc](http://www.michigan.gov/snc)
    - Comment form also available for download at above web sites

# System Architecture

- ◆ User Interfaces Into System
  - ETL Processes
    - Translation scripts
    - Projections
    - Field mapping
  - Interactive Map
    - Red lining of edits to road, PSAP boundaries
    - Data update approval processes
  - Quality Control Tools and Reports
  - Import and Export Utilities



# Data Interoperability





# Data Sharing and Agreements

- ◆ Enhanced Access to Public Records Act
  - DTMB Policy Developed Specific to Project
    - Local Participant Will Need a Local Enhance Access to Public Records Act Policy
    - Project Will Provide Examples of Enhance Access to Public Records Act Policies – If Local Participant Does Not Have One in Place
  - Memorandum of Agreement Between CSSTP and Each Participating Entity
    - Outlines Roles and Responsibilities of CSSTP and Participants
    - Established Disclaimers for Data Sharing
    - Signed Agreement

# Local Grant Program

- ◆ Developing Grant Guidelines
- ◆ Developing Grant Application Form
- ◆ Proposed Timetable
  - Nov 1, 2011 – Local Grant Program Opens
  - Jan 3, 2012 – Local Grant Application Deadline
  - Feb 1, 2012 – Local Grant Award Notifications
  - June 30, 2012 – Local Grant Project Completion
- ◆ Local Grants will be Prioritized Based on the ENHANCE 9-1-1 Grant Project Requirements for Road Centerlines

# Current Activity

- ◆ Request for Letters of Intent to Participate
- ◆ Participating Counties/PSAPs for Pilot
  - Alpena, Jackson, Leelanau, Barry, Midland, and Allegan Counties
- ◆ Steps to Participation
  - Sign Letter of Intent to Participate
  - Sign Memorandum of Agreements Between Participant and CSSTP
  - Implement Local Enhance Access to Public Records Act Policy
  - Provide Data to CSSTP for Data Assessment
- ◆ Talk to your GIS department
  - Discuss Participation
  - Make inquiries to the TAC members if you have questions

# More Information

- ◆ [www.michigan.gov/911GISGrant](http://www.michigan.gov/911GISGrant)
- ◆ [www.michigan.gov/snc](http://www.michigan.gov/snc)
- ◆ Harriet Miller-Brown
  - [MillerHR@michigan.gov](mailto:MillerHR@michigan.gov)
  - 517-241-0080
- ◆ Laura Blastic
  - [blasticl@michigan.gov](mailto:blasticl@michigan.gov)
  - 517-373-7910

# Questions

Open Discussion